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KENNEDY SPACE CENTER SPACE SHUTTLE STATUS REPORT
THURSDAY, MAY 4, 1995 (10:05 AM EDT)

MISSION: STS-70 -- TDRS-G

VEHICLE: Discovery/OV-103
LOCATION: Vehicle Assembly Building
TARGET LAUNCH DATE: June 8
LAUNCH TIME: 9:01 a.m. EDT
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: June 16 at 8:18 a.m.
MISSION DURATION: 7 days, 22 hours (with option to shorten to 5 days)
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 184 statute miles/28.45 degrees

IN WORK TODAY:
  Preparations for Shuttle interface verification tests
  Orbiter/external tank electrical mates

WORK COMPLETED:
  Lift and mate with external tank
  Move orbiter to Vehicle Assembly Building

KEY OPERATIONAL MILESTONES (dates are target only):
  Roll Shuttle vehicle to Launch Pad 39-B (May 11)
  Hot fire auxiliary power unit no. 2 (May 12)
  Install TDRS into orbiter payload bay (May 13)
  Terminal Countdown Demonstration Test (May 18-19)
  Flight readiness review (May 26)

MISSION: STS-71 -- 1st MIR DOCKING

VEHICLE: Atlantis/OV-104
LOCATION: Launch Pad 39-A
TARGET LAUNCH DATE: June 19 (no earlier than)
APPROX. LAUNCH TIME: 6:43 p.m. EDT
LAUNCH WINDOW: 5 minutes
KSC LANDING DATE/TIME: June 30 at 2:14 p.m.
MISSION DURATION: 10 days, 19 hours, 31 minutes
CREW SIZE: 7 up, 8 down
ORBITAL ALTITUDE and INCLINATION: 196-245 statute miles/51.60 degrees

IN WORK TODAY:
  Preparations for hypergolic fueling operations

WORK COMPLETED:
  Main propulsion system helium signature test
  Hydraulic system close-outs

KEY OPERATIONAL MILESTONES (dates are target only):
  Prelaunch hypergolic propellant load (May 10-11)
  Space shuttle main engine flight readiness test (May 17-18)
  Terminal Countdown Demonstration Test (May 24-25)

MISSION: STS-69 -- WSF-2 & SPARTAN 201-03

VEHICLE: Endeavour/OV-105
LOCATION: Orbiter Processing Facility bay 1
TARGET LAUNCH DATE/TIME: July 20 at 10:30 a.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: July 31 at 7:15 a.m.
MISSION DURATION: 10 days, 21 hours
CREW SIZE: 5
ORBITAL ALTITUDE and INCLINATION: 190 statute miles/28.45 degrees

NOTE: Endeavour is powered-up. The bay will be closed through the weekend for hazardous operations to service the auxiliary power units and to remove and replace a thruster. Payload premate testing is set to begin Monday. Solid rocket booster stacking operations are starting this week in the Vehicle Assembly Building.

MISSION: STS-73 -- U.S. MICROGRAVITY LABORATORY-2

VEHICLE: Columbia/OV-102
LOCATION: Orbiter Processing Facility bay 3
TARGET LAUNCH DATE/TIME: Sept. 21 at 10:37 a.m.
LAUNCH WINDOW: 2 hours, 30 minutes
TARGET KSC LANDING DATE/TIME: Oct. 7 at 8:31 a.m.
MISSION DURATION: 16 days
CREW SIZE: 7
ORBITAL ALTITUDE and INCLINATION: 167 statute miles/39 degrees

NOTE: Columbia is powered-up and the payload bay doors are open. Preparations to install the 5th cryogenic tank set are underway and the main propulsion system is being configured for a scheduled system test.

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